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CONSULTANTS & TESTING CENTER

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Job No.: CECTC/BBMP/KRIDL/W.No.12/GSB-1/AL/2017-18 Date : 31.07.2017

ATTERBERG LIMITS TEST FOR GSB (COARSE GRADED)
IS : 2720 (Part - 5)

Client : **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, BBMP, Bangalore.

Name of work : Improvements to road & drain at Surya Enclave Abbigere in Ward No.12 Shettyhalli sub division, BBMP, Bangalore.

Date of Testing : 31.07.2017

As per MORTH Table : 400-01

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit, %	21.20	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

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Job No.: CECTC/BBMP/KRIDL/W.No.12/WMM/AL/2017-18 Date: : 09.08.2017

ATTERBERG LIMITS TEST FOR WMM
MORTH TABLE-400-11

Client : **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, BBMP, Bangalore.

Name of Work : Improvements to road & drain at Surya Enclave Abbigere in Ward No.12 Shettyhalli sub division, BBMP, Bangalore.

Date of Testing : 09.08.2017
Material : Wet Mix Macadam
Sample Location : WMM Mix Plant

As per MORTH Table 400-11

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit	21.55	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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Job No.: CECTC/BBMP/KRIDL/W.No.12/WMM/AIV/2017-18 **Date:** 09.08.2017

Aggregate Impact Value
IS: 2386 Part IV

Client	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
Agency	**Technical Manager (West),** KRIDL, BBMP, Bangalore.
Name of the Work	Improvements to road & drain at Surya Enclave Abbigere in Ward No.12 Shettyhalli sub division, BBMP, Bangalore.
Source / Location	WMM Plant
Type of Mix	Wet Mix macadam
Date of Testing	09.08.2017

Sl No.	Details	Trial No. 1	Trial No. 2	Trial No. 3	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	363	366	369	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	80	81	83	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	283	285	286	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.04	22.13	22.49	22.22

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

Note:

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Job No.: CECTC/BBMP/KRIDL/W.No.12/WMM/Shape/2017-18 09.08.2017

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
Agency	**Technical Manager (West),** KRIDL, BBMP, Bangalore.
Name of Work	Improvements to road & drain at Surya Enclave Abbigere in Ward No.12 Shettyhalli sub division, BBMP, Bangalore.
Technical Reference	IS 2386(Part 1) 1963 (RA 2011)
Type of Mix	Wet Mix Macadam
Sample ID	WMM Layer
Date of Testing	09.08.2017

Result : Flakiness Index = **10.95%**

Elongation Index = **12.93%**

Result : Combined Flakiness & Elongation index 23.88%

Comments:

Maximum allowable Flakiness & Elongation Index for Wet Mix Macadam is 30%

Note:

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Job No.: CECTC/BBMP/KRIDL/W.No.12/BM/AIV/2017-18 24.08.2017

Aggregate Impact Value

IS: 2386 Part IV

Client	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
Agency	**Technical Manager (West),** KRIDL, BBMP, Bangalore.
Name of the Work	Improvements to road & drain at Surya Enclave Abbigere in Ward No.12 Shettyhalli sub division, BBMP, Bangalore.
Source / Location	Hotmix Plant, Bangalore
Type of Mix	Bituminous Macadam
Date of Testing	24.08.2017

Sl No.	Details	Trial No. 1	Trial No. 2	Trial No. 3	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	366	369	371	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	82	84	87	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	284	285	284	
4	Aggregate Impact value = percent fines	22.40	22.76	23.45	
	100* (W_2/W_1)%				22.87

Comments:

→ Maximum allowable Aggregate Impact value for Bituminous Macadam is 30%

Note:

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